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(54) GENERATOR FOR ELECTROSURGICAL OPERATION, ELECTROSURGICAL OPERATION SYSTEM, METHOD FOR OPERATING THIS SYSTEM AND METHOD FOR PERFORMING AMPUTATION AND RESECTION OF TISSUE BY ELECTROSURGICAL OPERATION

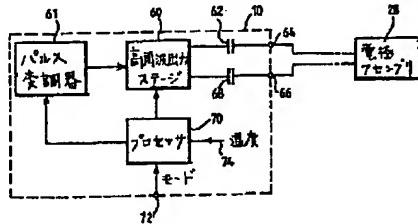
can be pulsed by a pulse circuit via at least one separation capacitor 68. This high-frequency source and the pulse circuit are so constituted as to generate a pulsed high-frequency output signal having a peak-to-peak voltage of at least 1250 V, a mark-to-space ratio of  $\leq 1:1$  and a pulse length of  $\leq 100 \mu s$  in order to enable the tissue removal at a high rate.

(57) Abstract:

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PROBLEM TO BE SOLVED: To provide a means for increasing the removal rate of the tissue.

SOLUTION: The generator for electrosurgical operation has output terminals 64 and 66 for connection respectively to the active electrode and return electrode of an appliance for electrosurgical operation and is connected with a high-frequency source 60 which



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